



United States
Department of
Agriculture

Soil
Conservation
Service

81280
Route 2, Box 293-A
Chanute, Kansas
66720

February 18, 1988

Alice Fuerst
Environmental Protection Agency
726 Minnesota Avenue
Kansas City, MO 66101

Dear Alice:

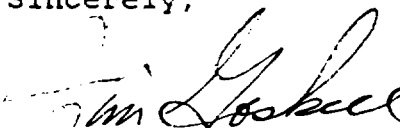
I am sending you a worksheet on the estimated cost of establishing vegetation on reclaimed lead and zinc areas.

Please keep in mind that these estimates are based on our best information for site conditions, and we have done very little in evaluating the soil conditions around lead and zinc waste piles.

I hope this information is helpful as you prepare budget estimates for this project. This will be an excellent demonstration project. All who are involved will learn a great deal about how to best treat these problems.

Plan to see you at Galena February 24.

Sincerely,


Luther J. Gaskell
RC&D Coordinator

enclosure

cc:

Lynn Gibson, Area Conservationist, SCS, Emporia

RECEIVED

FEB 22 1988

REMD SECTION



S00082270
SUPERFUND RECORDS



The Soil Conservation Service
is an agency of the
United States Department of Agriculture



Prepared for
Environmental Protection Agency, Kansas City, Missouri
February 18, 1988

Estimates for establishing vegetative cover on reclaimed lead and zinc tailing areas, Galena Subsite.

	Cost/Ac
Assume land is graded and ready to prepare seed bed.	
1. Seed bed preparation, native grass seed, fertilizer, mulch, apply mulch, punch mulch into ground, including all machine and labor costs. <u>1/</u>	\$150.00
2. Agricultural lime to neutralize acid conditions - actual pH not known - estimate up to 20,000 lbs. effective Calcium Carbonate needed per acre @ delivered and spread cost of \$8.35/1,000#ECC = <u>2/</u>	\$167.00
3. Structural works to divert runoff water from seeded areas. (Diversion, grassed waterways, or other water control structures may be needed.)	\$ 88.00
4. Cost of technical assistance to develop technical plans and supervise actual seeding and mulching.	\$ 5.20
	<hr/>
	\$830.00
10% contingencies	83.00
	<hr/>
TOTAL	\$913.00

1/ Could vary substantially depending on changing costs for native grass seed, and whether mulch is grown as cover crop or applied.

2/ Based on maximum that may be needed. I find no data on soil acidity of soils under or around chat piles.

3/ The more acres in project, the lower the per acre cost.

